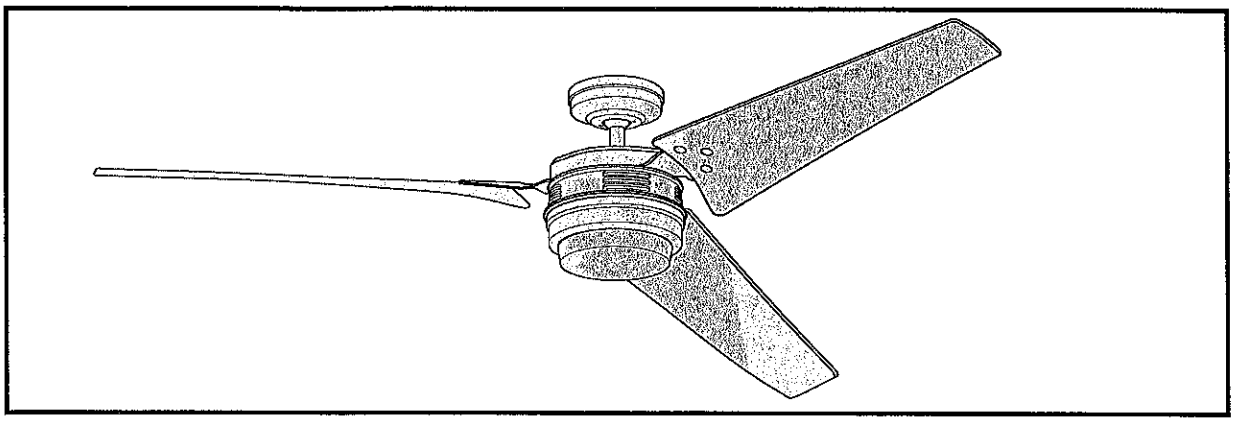
READ AND SAVE THESE INSTRUCTIONS



Ceiling Fan Owner's Manual

Net Weight: 28.9 Lbs.

READ AND SAVE THESE INSTRUCTIONS

Safety Instructions

⚠ WARNING

TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

a. Use this unit only in a manner intended by the manufacturer. If you have questions, contact the manufacturer.

b. Before servicing or cleaning unit, switch power off at service panel and lock service panel disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a warning device, such as a tag, to the service panel.

1. Read your owner's manual carefully and keep it for future reference.
2. Be careful of the fan and blades when cleaning, painting, or working near the fan. Always turn off the power to the ceiling fan before servicing.
3. Do not put anything into the fan blades while they are turning.
4. Do not operate reversing switch until fan blades have come to a complete stop.

Additional Safety Instructions for Installation

1. To avoid possible shock, be sure electricity is turned off at the fuse box before wiring, and do not operate fan without blades.
2. All wiring must be in accordance with the National Electrical Code "ANSI/NFPA 70-2014" and Local Electrical Codes. Use the National Electrical Code if Local Codes do not exist. The ceiling fan must be grounded as a precaution against possible electrical shock. Electrical installation should be made or approved by a licensed electrician.
3. The outlet box and joist must be securely mounted and capable of reliably supporting at least 50 pounds. Use only U.L. outlet boxes listed as "Acceptable for Fan Support of 22.7 kg. (50 lbs.) or less", and use the mounting screws provided with the outlet box. Most outlet boxes commonly used for support of light fixtures are not acceptable for fan support and may need to be replaced. Consult a qualified electrician if in doubt.
4. The downrod furnished with the fan provides the minimum recommended floor to fan blade clearance for an 8 foot ceiling.
5. The fan must be mounted with the fan blades at least 7 feet from the floor to prevent accidental contact with the fan blades.
6. Follow the recommended instructions for the proper method of wiring your ceiling fan. If you do not know enough about electrical wiring, have your fan installed by a licensed electrician.

WARNING: To reduce the risk of electrical shock, this fan must be installed with an isolating wall control/switch.

NOTE: This fan is suitable for use with solid-state speed controls.

WARNING: This product is designed to use only those parts supplied with this product and/or any accessories designated specifically for use this product by Emerson Electric Co. Substitution of parts or accessories not designated for use with this product by Emerson could result in personal injury or property damage.

WARNING: To reduce the risk of personal injury, do not bend the blade flange when installing the blade flanges, balancing the blades or cleaning the fan. Do not insert foreign objects in between rotating fan blades.

WARNING: To reduce the risk of fire or electrical shock, this fan should only be used with fan speed control. Model No. SW405, manufactured by Rhine Electric Co., LTD.

NOTE: All setscrews must be checked and re-tightened where necessary before installation.

DATE CODE: _____

The date code of this fan may be found on the box, stamped in ink on a white label. You should record this data above and keep it in a safe place for future use.

1. Unpacking Instructions

⚠ WARNING

Do not install or use fan if any part is damaged or missing.

⚠ WARNING

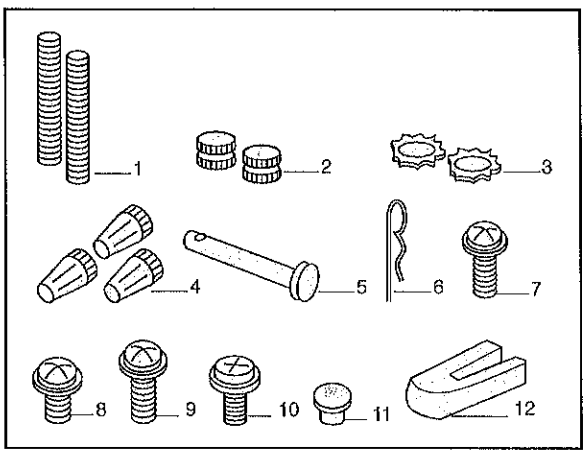
This product is designed to use only those parts supplied with this product and/or any accessories designated specifically for use with this product by Emerson Electric Co. Substitution of parts or accessories not designated for use with this product by Emerson Electric Co. could result in personal injury or property damage.

1. Check to see that you have received the following parts:

NOTE: If you are uncertain of part description, refer to exploded view illustration.

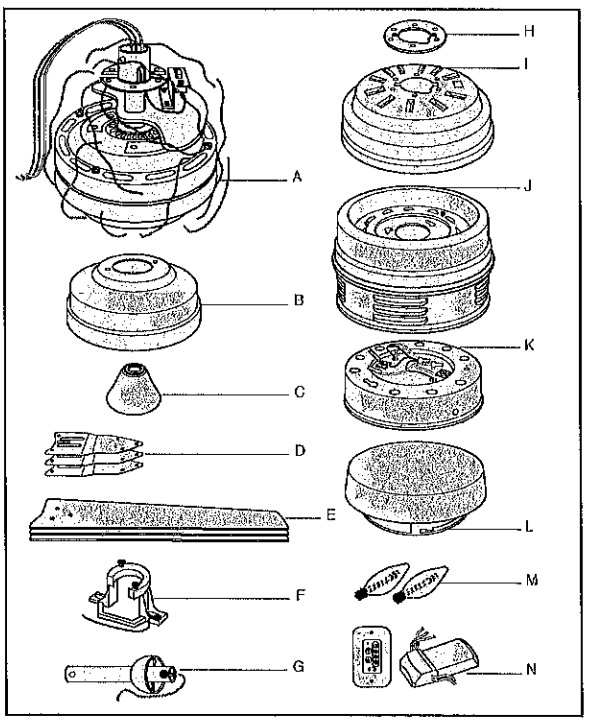
HARDWARE CONTENTS

Part	Description	Quantity
1	Threaded Studs, #8-32 x 1-1/4"	2
2	Knurled Knobs, #8-32	2
3	Lockwashers, External Tooth #8	2
4	Wire Connectors, E3	3
5	Clevis Pin	1
6	Hairpin Clip	1
7	1/4-20 x 1/2" Pan Head Screws with Lockwashers	7
8	#10-32 x 1/4" Washer Head Screws	10
9	#8-32 x 1/2" Pan Head Screws with Lockwashers	7
10	#8-32 x 3/8" Pan Head Screw	1
11	Decorative Nuts	10
12	Blade Balance Kit	1



PACKAGE CONTENTS

Part	Description	Quantity
A	Fan Motor Assembly	1
B	Ceiling Canopy	1
C	Coupler Cover	1
D	Blade Flanges	3
E	Fan Blades	3
F	Hanger Bracket	1
G	Hanger Ball/8" Downrod Assembly	1
H	Upper Housing Plate	1
I	Upper Housing	1
J	Lower Housing	1
K	Light Kit Assembly	1
L	Glass Bowl	1
M	60-Watt (max.) Candelabra Bulbs	2
N	Receiver/SW405 Wall Control	1



NOTE: Place the parts from the loose parts bags in a small container to keep them from being lost. If any parts are missing, contact your local retailer or catalog outlet for replacement before proceeding.

2. Remove the fan assembly from the protective plastic bag. Place the fan assembly into the upper foam pad with the top of the motor facing up.

   The upper foam pad serves as a holder for the fan during the first stages of assembly.

1. Unpacking Instructions (continued)

This Manual Is Designed to Make it as Easy as Possible for You to Assemble, Install, Operate and Maintain Your Ceiling Fan

Tools Needed for Assembly

One Phillips head screwdriver
One stepladder
One wire stripper

Materials

Wiring outlet box and box connectors must be of type required by the local code. The minimum wire would be a 3-conductor (2-wire with ground) of following size:

Installed Wire Length	Wire Size A.W.G.
Up to 50 ft.	14
50-100 ft.	12

⚠ WARNING

Before assembling your ceiling fan, refer to section on proper method of wiring your fan (page 9). If you feel you do not have enough wiring knowledge or experience, have your fan installed by a licensed electrician.

2. Electrical Requirements

Your new ceiling fan will require a grounded electrical supply line of 120 volts AC, 60 Hz, 15 amp circuit.

⚠ WARNING

To reduce the risk of fire, electric shock, or personal injury, mount fan to outlet box marked "Acceptable for Fan Support of 22.7 kg. (50 lbs.) or less", and use screws supplied with outlet box. Most outlet boxes commonly used for support of light fixtures are not acceptable for fan support and may need to be replaced. Consult a qualified electrician if in doubt.

The outlet box must be securely anchored and capable of withstanding a load of at least 50 pounds.

If your fan is to replace an existing ceiling light fixture, turn electricity off at the main fuse box at this time and remove the existing light fixture.

⚠ WARNING

To avoid fire or shock, follow all wiring instructions carefully.

Any electrical work not described in these instructions should be done or approved by a licensed electrician.

3. Ceiling Fan Assembly

1. Position the flange marked "THIS SIDE UP"on top of the blade marked "THIS SIDE UP" (Figure 1).

2. Place a decorative nut through the underside of the blade and attach the blade flange to the fan blade using the #10-32 x 1/4" washer head screw. Use three screws with lockwashers per blade assembly (Figure 1).

3. Repeat this procedure for the remaining two blades and flanges.

⚠ WARNING

To reduce the risk of personal injury, do not bend the blade flange when installing the blade flanges, balancing the blades or cleaning the fan. Do not insert foreign objects in between rotating fan blades.

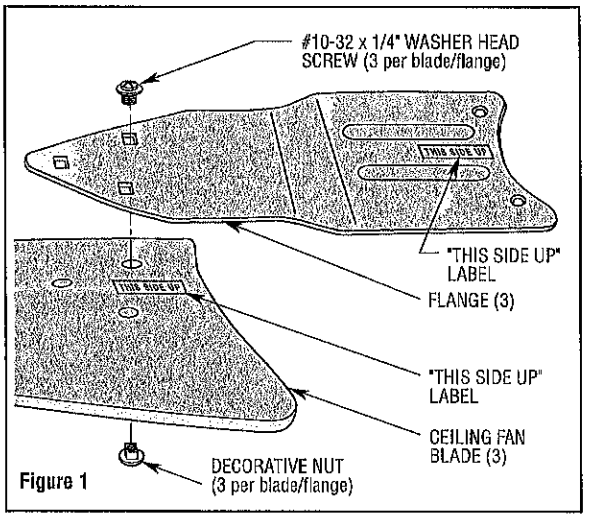
NOTE: Take care not to scratch fan housing when installing blades.

4. Rotate the motor hub so the notched area is above the screw holes in the motor hub. Install one blade assembly on the top of the motor assembly using two 1/4-20 x 1/2" pan head screws with lockwashers (supplied) (Figure 2).

5. Repeat this procedure for the remaining two blades assemblies.

6. Remove the two setscrews from the top of the motor coupler (Figure 3). Retain the setscrews for future use.

7. Position the upper housing onto the upper housing plate aligning the two notched areas, the six screw holes and the reverse switch hole (Figure 3).


#10-32 x 1/4" WASHER HEAD SCREW (3 per blade/flange)
"THIS SIDE UP" LABEL
FLANGE (3)
"THIS SIDE UP" LABEL
CEILING FAN BLADE (3)
DECORATIVE NUT (3 per blade/flange)
Figure 1

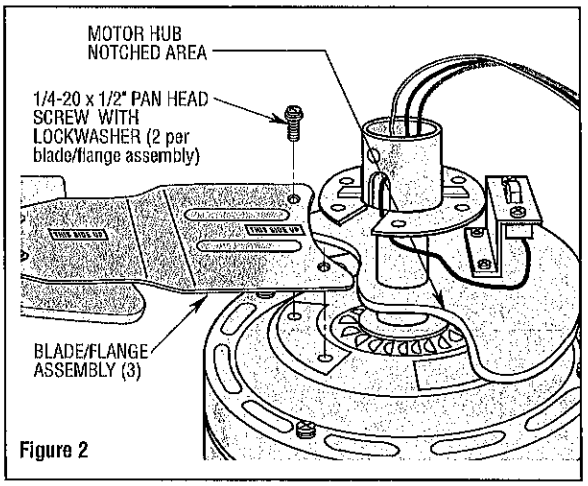


Figure 2

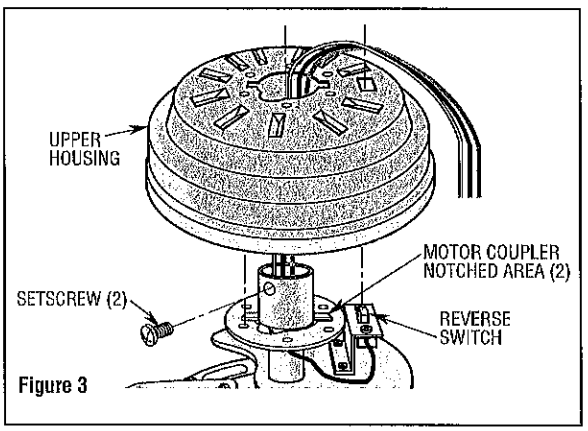


Figure 3

3. Ceiling Fan Assembly (continued)

8. Place the upper housing plate so that the two notched areas align with the two studs on the motor coupler. Aligning the six screw holes of the upper housing plate onto the motor hub. Firmly attach the upper housing to the motor hub/upper housing plate by using the six #8-32 x 1/2" pan head screws with lockwashers (supplied) (Figure 4).
9. Remove the hanger ball by loosening the setscrew in the hanger ball until the ball falls freely down the downrod (Figure 5). Remove the pin from the downrod, then remove the hanger ball. Retain the pin and hanger ball for reinstallation in Step 12.
10. Separate, untwist and unkink the three 80" motor leads. Route the motor lead wires through the downrod. Align the clevis pin holes in the downrod with the holes in the motor coupler. Install the clevis pin and secure with the hairpin clip (Figure 6). The clevis pin must go through the holes in the motor coupler and the holes in the downrod. Be sure to push the straight leg of the hairpin clip through the hole near the end of the clevis pin until the curved portion of the hairpin clip snaps around the clevis pin. The hairpin clip must be properly installed to prevent the clevis pin from working loose. Pull on the downrod to make sure the clevis pin is properly installed.
11. While pulling up on the downrod, reinstall and tighten the two setscrews (previously removed in Step 6) in the motor coupler (Figure 6).

⚠ WARNING

It is critical that the clevis pin in the motor coupler is properly installed and the setscrews securely tightened. Failure to verify that the pin and setscrews are properly installed (as shown in Figure 6) could result in the fan falling.

12. Make sure the grommet is properly installed in the coupler cover, then slide the coupler cover on the downrod until it rests on the motor housing. Place the ceiling cover over the downrod. Be sure that the ceiling cover and the coupler cover are both oriented correctly (Figure 7).
13. Reinstall the hanger ball (Figure 7) on the downrod as follows. Route the three 80" motor leads through the hanger ball. Position the pin through the two holes in the downrod and align the hanger ball so the pin is captured in the groove in the top of the hanger ball. Pull the hanger ball up tight against the pin and securely tighten the setscrew in the hanger ball. A loose setscrew could create fan wobble.

⚠ WARNING

It is critical that the pin in the hanger ball is properly installed and the setscrew securely tightened. Failure to verify that the pin and setscrew are properly installed could result in the fan falling.

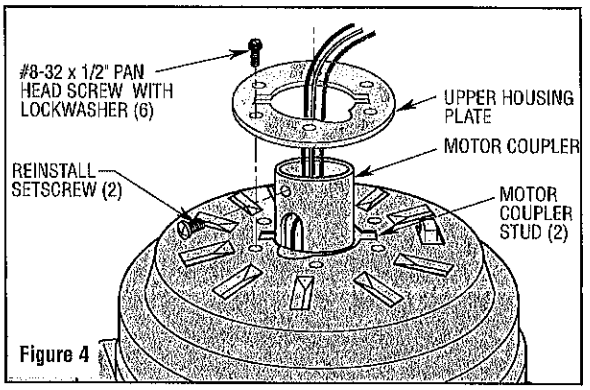


Figure 4

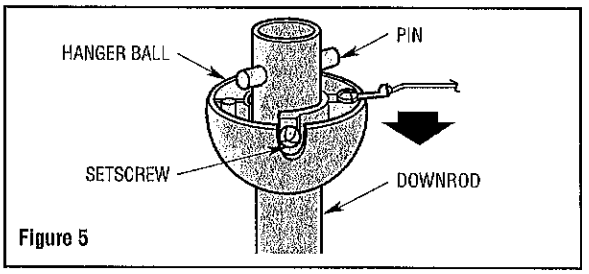


Figure 5

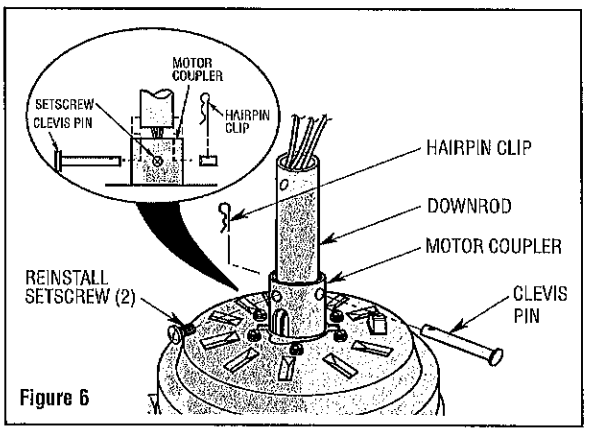


Figure 6

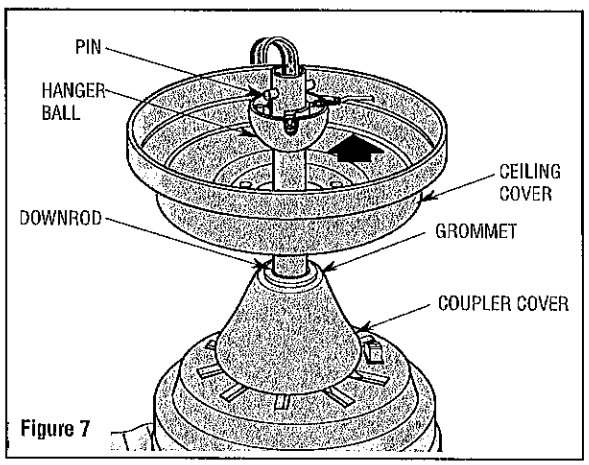


Figure 7

3. Ceiling Fan Assembly (continued)

14. The fan comes with blue, black and white leads that are 80-inches long. Before installing the fan, measure up approximately 6 to 9-inches above top of hanger ball/downrod assembly. Cut off excess leads and strip back insulation 1/2-inch from end of leads.

15. Carefully rotate the partial assembled ceiling fan and place gently into the styrofoam to compete the final installation of the fan.

16. Remove one of the screws from the switch adapter. Retain for future installation. Loosen the two remaining screws in the switch adapter for installation of the lower housing (Figure 8).

17. Place the lower housing onto the switch adapter. Rotate the lower housing clockwise on the switch adapter to engage the keyholes onto the loosened screws. Retighten the two screws and reinstall the screw previously removed. Tighten all three screws securely (Figure 8).

18. Engage the white wire connector of the light kit assembly with the white wire connector of the motor connector (Figure 9). Engage the black wire connector of the light kit assembly with the black wire connector of the motor connector. Make sure the connector latches are closed properly.

19. Carefully tuck all wires and splices into the light kit assembly.

NOTE: Do not pinch wires between the lower housing and the switch adapter.

20. Remove one of the screws from the lower housing. Retain for future installation. Loosen the two remaining screws in the lower housing for installation of the light kit assembly (Figure 10).

21. Place the light kit assembly onto the lower housing. Rotate the light kit assembly clockwise on the lower housing to engage the keyholes onto the loosened screws. Retighten the two screws and reinstall the screw previously removed. Tighten all three screws securely (Figure 10).

22. You have now completed the partial assembly of your new ceiling fan. You can now proceed with hanging and wiring your fan.

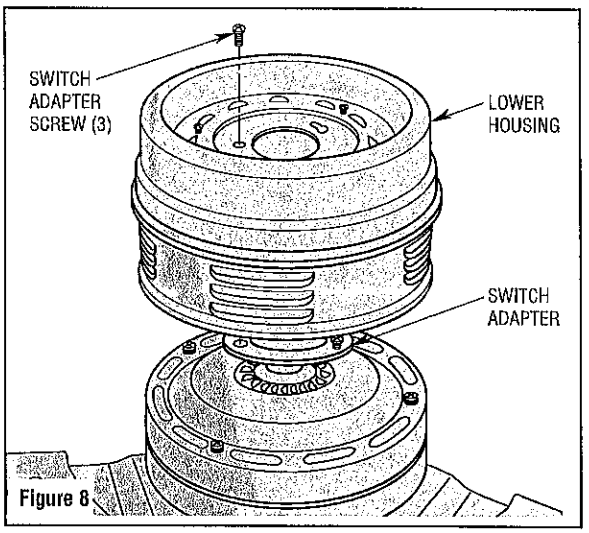


Figure 8

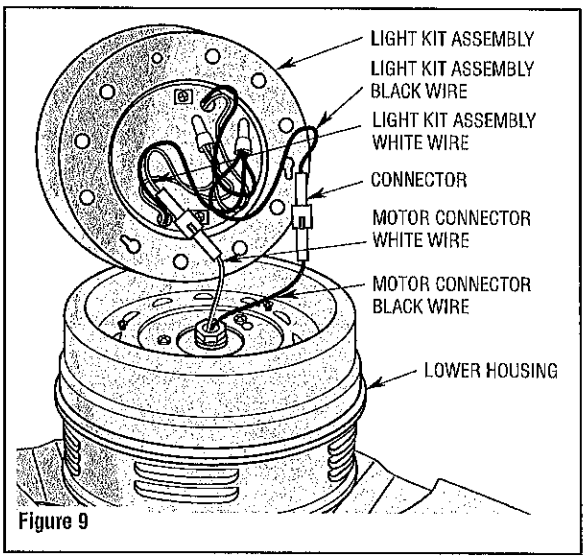


Figure 9

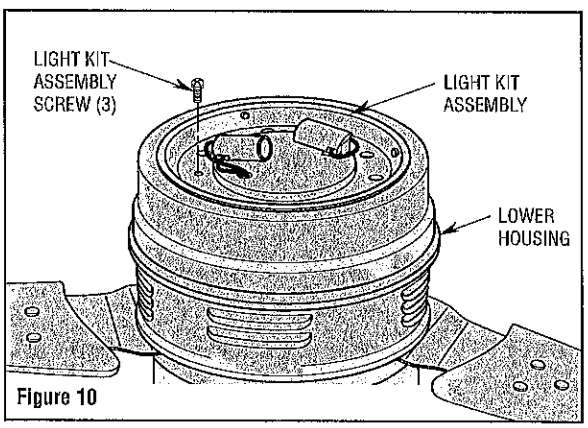


Figure 10